



Information about this Replacement

Replacement	The November 2008 <i>POS Terminal Security Program – Approval List</i> replaces your existing document.
What is in this new version?	This new version lists the latest IP-enabled POS terminals that have been approved in the context of the MasterCard POS Terminal Security Evaluation Program.
Billing	MasterCard will not bill principal members for this document.

Using this Document

Purpose The MasterCard *POS Terminal Security Program – Approval List* provides details of those platforms that have been approved in the context of the MasterCard POS Terminal Security Evaluation Program (PTS Program).

Audience This Approval List is intended primarily for members to assist in their procurement processes.

Times Expressed MasterCard is a global company with locations in many time zones. The MasterCard operations and business centers are in the United States. The operations center is in St. Louis, Missouri, and the business center is in Purchase, New York.

For operational purposes, MasterCard refers to time frames in this document as either “St. Louis time” or “New York time.” Coordinated Universal Time (UTC) is the basis for measuring time throughout the world. You can use the following table to convert any time used in this document into the correct time in another zone.

	St. Louis, Missouri, USA Central Time	Purchase, New York, USA Eastern Time	UTC
Standard time	09:00	10:00	15:00
(first Sunday in November to second Sunday in March ¹)			
Daylight saving time	09:00	10:00	14:00
(second Sunday in March to first Sunday in November ²)			

1 For Central European Time, last Sunday in October to last Sunday in March.
 2 For Central European Time, last Sunday in March to last Sunday in October.

Excerpted Text At times, this document may include text excerpted from another document. A note before the repeated text always identifies the source document. In such cases, we include the repeated text solely for the reader's convenience. The original text in the source document always takes legal precedence.

Language Use The spelling of English words in this document follows the convention used for U.S. English as defined in *Merriam-Webster's Collegiate Dictionary*. MasterCard is incorporated in the United States and publishes in the United States. Therefore, this publication uses U.S. English spelling and grammar rules.

An exception to the above spelling rule concerns the spelling of proper nouns. In this case, we use the local English spelling.

Revisions MasterCard periodically may issue revisions to this document to accommodate enhancements and changes, or as corrections are required.

With each revision, a Summary of Changes describes how the text changed. Revision markers (vertical lines in the right margin) indicate where the text changed.

MasterCard may publish revisions to this document in a MasterCard bulletin, another MasterCard publication, or on MasterCard OnLine®. A subsequent revision is effective as of the date indicated in that publication or on MasterCard OnLine and has precedence over any previous edition. In the event of a conflict between this document and a subsequently published edition, the subsequently published edition shall have precedence.

Organization The following table provides an overview of this document.

Part	Description
Chapter 1, Legal Terms and Table Notes	This chapter contains important legal and explanatory information relating to this approval list.
Chapter 2, Approved Platforms	This chapter lists approved platforms, categorized by vendor.

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Please take a moment to provide MasterCard with your feedback about the *POS Terminal Security Program – Approval List*.

MasterCard continually strives to improve user documents. User feedback helps MasterCard accomplish this goal.

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POS Terminal Security Program

For all enquiries relating to the POS Terminal Security Program, please contact pts@mastercard.com.

Summary of Changes

POS Terminal Security Program – Approval List , November 2008

To locate these changes online—search on the date next to the revision bar. On the Adobe Reader toolbar, click Search. In the Search pane, type Nov 2008, and then click Search.

Description of Change	Where to Look
Added — The Tellium K230V from Keycorp Ltd has been added under Approval Number 10024.	Chapter 2
Updated — The firmware details for the Optimum x4xxx has been updated in the list of Hypercom terminals under Approval Number 10012.	Chapter 2



POS Terminal Security Program – Approval List

November 2008

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Chapter 1 Legal Terms and Table Notes

This chapter contains important legal and explanatory information relating to this approval list.

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Legal Terms

Acceptance of the following terms and conditions is a condition of access to any information or data relating to the MasterCard POS Terminal Security Program (hereafter referred as the "PTS Program") including, without limitation, that which is contained in the attached Approval List.

No act or omission of MasterCard International Incorporated, its affiliates, or the agents, employees or contractors of any such party (together for the purposes of these legal terms and conditions, "MasterCard") in relation to the PTS Program, or issue of any certificate or approval under the PTS Program:

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- To make their own checks, investigations and searches to ensure the functionality, security or fitness for purpose of any products

Legal Terms and Table Notes

Legal Terms

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These terms and conditions shall be governed by the laws of the State of New York, without regards to its conflict of laws provisions, and the parties submit to the exclusive jurisdiction of the federal and state courts located in the City and State of New York for the resolution of all matters relating to the PTS Program or these terms and conditions.

Table Notes

The following notes provide details of certain attributes of the Approval List:

1. Model Name/Number – an indication of the commercial names of POS terminals that use the approved platform.

2. Platform Identifier – is used by the MasterCard PTS Program to denote all relevant information which is representative of an approved platform, consisting of the Hardware #, Firmware #, and, if applicable, Application #.

In order to ensure that the platform has received MasterCard approval, acquiring members or merchants are strongly advised to purchase and deploy only those platforms with the information that matches exactly the designations given in the components of the Platform Identifier.

Table 1.1 — Example of a Platform Identifier

Component	Description
Hardware #	NN-421-000-AB
Firmware #	Ver. 1.01
Applic. #	4.5.3

3. Hardware # – represents the specific hardware component set used in the platform approved by MasterCard in the framework of the *POS Terminal Security Program – Security Requirements* document. The fields that make up the Hardware # may consist of a combination of fixed and variable alphanumeric characters. A lower case “x” is used to designate variable fields. The “x” represents fields in the Hardware # that the manufacturer can change at anytime to denote different platform configurations (examples include country usage code, customer code, language, device color, etc.). The “x” field(s) has been assessed by the laboratory and by MasterCard as to not impact PTS security requirements or the manufacturer’s approval within the PTS Program. In order to ensure that the platform has received MasterCard’s approval, acquiring members or merchants are strongly advised to purchase and deploy only those platforms with the Hardware # whose fixed alphanumeric characters match **exactly** the Hardware # depicted in the *POS Terminal Security Program - Approval List* or the manufacturer’s approval letter from MasterCard. Exact matching is essential due to the fact that manufacturers may have produced platforms with the same Model Name/Number, prior to validation of compliance by the laboratory, that do not meet PTS security requirements.

Table 1.2 — Examples of the use of Hardware #s

Hardware # of Platform Listed in the Approval List	Comments
NN-421-000-AB	Hardware # NN-421-000-AB of the Platform Identifier does not employ the use of the variable “x”. Hence, the platform being deployed must match the Hardware # exactly in order for the platform to be considered as an approved device (hardware component).
NN-4x1-0x0-Ax	Hardware # NN-4x1-0x0-Ax of the Platform Identifier does employ the use of the variable “x”. Hence, the platform being deployed must match the Hardware # exactly in only those position(s) where there is no “x”.
Actual Hardware #'s of Platform Supplied by Manufacturer	
NN-421-090-AC	If MasterCard lists NN-421-000-AB as the Hardware # in the Platform Identifier, then the platform with the Hardware # NN-421-090-AC cannot be considered as an approved platform (hardware component). However, if MasterCard lists NN-4x1-0x0-Ax as the Hardware # in the Platform Identifier, then the platform with Hardware # NN-421-090-AC can be considered as an approved platform (hardware component).
NN-421-090-YC	If MasterCard lists NN-4x1-0x0-Ax as the Hardware # in the Platform Identifier, then the platform with the Hardware # NN-421-090-YC cannot be considered as an approved platform (hardware component).

4. Firmware # – represents the specific firmware component set used in the platform approved by MasterCard in the framework of the POS Terminal Security Program – Security Requirements document. The same rules described for the Hardware # also apply for the Firmware #.

5. Applic. # – (if applicable) represents the specific application component set used in the platform approved by MasterCard in the framework of the POS Terminal Security Program – Security Requirements document. The same rules described for the Hardware # also apply for the Applic. #, except that the Applic. # does not include any variable fields.

Chapter 2 Approved Platforms

This section lists approved platforms, categorized by vendor.

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Apriva

Platform Identifier	Approval Number	Renewal Date
AprivaTalk Communications in Hypercom Optimum x4xxx terminals		
Hardware # : x4xxx		
Firmware # : AprivaTalk Library Version 2.00.xx (AprivaTalk Communications) Hypercom libraries: TC 5.1.x (TCP/IP library) CR 1.1.x (Crypto library)	10016	6 Dec 2010
Applic. # : -		
AprivaTalk Communications in Ingenico Unicapt32-based terminals		
Hardware # : Ingenico i7xxx and i5xxx		
Firmware # : Unicapt32, AprivaTalk Communications Common Module Version 1.04 (file USO000001041)	10013	9 Aug 2010
Applic. # : -		
AprivaTalk Communications in LinkPoint 9100 terminals		
Hardware # : LinkPoint 9100		
Firmware # : WAP Library (AprivaTalk Communications Library) Version 1.00.xx, Keycorp K78 OS, Version 1.17	10019	18 Jan 2011
Applic. # : -		

Approved Platforms

Apriva

Platform Identifier	Approval Number	Renewal Date
AprivaTalk Communications in NURIT 8000S terminals		
Hardware # : VeriFone/Lipman NURIT 8000S model: 8010xxxxxxx, 8020xxxxxxx 8100xxxxxxx, 8210xxxxxxx 8320xxxxxxx, 8400xxxxxxx	10005	14 Dec 2009
Firmware # : NURIT Operating System with TCPIP 4.20.00 LIBATC version 1.00.xx (AprivaTalk Communications DLM)		
Applic. # : -		
AprivaTalk Communications in Verifone Vx570, Vx610, and Vx670 Terminals		
Hardware # : M257-xxx-xx-xxx (Vx570) M256-xxx-xx-xxx (Vx610) M267-xxx-xx-xxx (Vx670)		
Firmware # : Verix V Operating System AprivaTalk ADS 1.0.xx (AprivaTalk Communications library)	10018	18 Jan 2011
Applic. # : TCPIP 2.0.0 UCL 2.0.0		
AprivaTalk Communications in Windows Mobile Smartphones		
Hardware # : Cingular 2125 and 3125 Smartphones, Samsung Blackjack Smartphones		
Firmware # : AprivaTalk Communication v1.0 Windows Mobile 5.0 on a Cingular 2125, ROM v2.0.13.0 Windows Mobile 5.0 on a Cingular 3125, ROM v2.4.502.0 Windows Mobile 5.0 on a Samsung Blackjack, ROM v5.1.342.15100	10008	20 Mar 2010
Applic. # : -		

Atos Wordline SA/NV

Platform Identifier	Approval Number	Renewal Date
banksys-XENTA, banksys-XENTISSIMO, banksys-XENTEO Hardware # : banksys-XENTA 90640 x x x x x, banksys-XENTISSIMO 90660 x x x x x, banksys-XENTEO 90661 x x x x x Firmware # : SAMOA Linux Operating System version: 00 11 14 00 - xx 02 Applic. # : -	10021	12 May 2011

Axalto S.A.

Platform Identifier	Approval Number	Renewal Date
MagIC X1000 GPRS Hardware # : T0438xx Firmware # : AGP2_OS with TCPLIB 1.21 / LIBSSL 1.02 Applic. # : -	10011	26 Apr 2010

Blue Bamboo

Platform Identifier	Approval Number	Renewal Date
BluePlatform Hardware # : 1.0.0 Firmware # : 1.1.3 Applic. # : -	10017	6 Dec 2010

Approved Platforms

Gemalto

Gemalto

Platform Identifier	Approval Number	Renewal Date
MagIC3 platform		
Hardware # : X, C, M, R series PCI PED H/W		
Firmware # : SSL kit dev TCP/IP stack	10020	12 May 2011
Applic. # : -		

Hypercom

Platform Identifier	Approval Number	Renewal Date
ARTEMA Range		
Hardware # : <i>Wired Terminal:</i> ARTEMA COMPACT / C703-xxxx, ARTEMA DESK / C743-xxxx, ARTEMA Hybrid (AHT) / C744-xxxx, ARTEMA Controller (ACT) / C745-xxxx		
<i>Wireless Terminal:</i> ARTEMA Portable DECT: C443-xxxx, C463-xxxx and C473-xxxx, ARTEMA Mobile: C444-xxxx, C464-xxxx and C474-xxxx	10023	6 Aug 2011
Firmware # : PROTOCOL-TCPIP-3710-02xx-LIV (PSTN/GPRS), PROTOCOL-TCPIP-LAN-3714-02xx-LIV (Ethernet for all models except ARTEMA Hybrid), PROTOCOL-TCPIP-LAN-3715-01xx-LIV (Ethernet for ARTEMA Hybrid only), DL-SSL-2023-05xx-LIV (all platforms), DL-CRYPTO-2024-05xx-LIV (all platforms), SSL-AP-3733-02xx-LIV (all platforms)		
Applic. # : -		
Optimum T2100 / M2100		
Hardware # : F32510 xx		
Firmware # : 1.37	10007	30 Jan 2010
Applic. # : -		

Platform Identifier	Approval Number	Renewal Date
Optimum T4100		
Hardware # : AB22V1-YxN1-3A00		
Firmware # : AppMgr: 20060901, OS: 20060831, Bootloader: 20060414	10001	14 Sep 2009
Applic. # : -		
Optimum x4xxx Series		
Hardware # : x4xxx		
Firmware # : TC5.3.x, SL1.1x, CR1.1x, EP1.5x	10012	11 Jul 2010
Applic. # : -		

Ingenico

Platform Identifier	Approval Number	Renewal Date
I3xxx (U32 Pinpads) I5xxx (U32 Desktop Terminals) I6xxx (U32 Advanced Pinpads) I7xxx (U32 Portable Terminals) I8xxx (U32 Mobile Terminals) I9xxx (U32 Unattended Terminals) AQ0xx (U32 AQUA Terminals)		
Hardware # : U32-based Terminal Family	10006	22 Dec 2009
Firmware # : Unicapt 32 with: PTSIP 1.0.x PTSSSL 1.0.x PTSFTP 1.0.x PTSMAIL 1.0.x PTSSNMP 1.0.x		
Applic. # : -		

Keycorp Limited

Platform Identifier	Approval Number	Renewal Date
TELIUM Technology K230		
Hardware # : TELIUM Technology based Terminal Family	10024	20 Mar 2010
Firmware # : 820073 v1.X		
Applic. # : -		

NBS Payment Solutions

Platform Identifier	Approval Number	Renewal Date
NBS4x00, NBS5x00, and NBS6x00		
Hardware # : NBSxx00Txxx	10015	19 Oct 2010
Firmware # : V7.xx		
Applic. # : -		

SAGEM Monetel

Platform Identifier	Approval Number	Renewal Date
TELIUM Technology EFT30, EFT Smart, EFT930, CAD30, ML30, Twin30		
Hardware # : TELIUM Technology based Terminal Family	10010	20 Mar 2010
Firmware # : 820073 V1.x		
Applic. # : -		

TRACKTECH

Platform Identifier	Approval Number	Renewal Date
eMERIT		
Hardware # : BlackBerry 8xxx series devices	10022	2 Jul 2011
Firmware # : BlackBerry 4.x		
Applic. # : eMERIT POS Application 2.x.x		

Verifone Inc.

Platform Identifier	Approval Number	Renewal Date
NURIT 2159xxx, NURIT 2930xxx, NURIT 8000xxx, NURIT 8010xxx, NURIT 8020xxx, NURIT 8100xxx, NURIT 8210xxx, NURIT 8320xxx, NURIT 8400xxx		
Hardware # : 2159xxxxxyxx / 2159-xx-Mxx-xxx-yxx 2930xxxxxyxx / 2930-xx-Mxx-xxx-yxx 8010xxxxxyxx / 8010-xx-Mxx-xxx-yxx 8100xxxxxyxx / 8100-xx-Mxx-xxx-yxx 8210xxxxxyxx / 8210-xx-Mxx-xxx-yxx 8320xxxxxyxx / 8320-xx-Mxx-xxx-yxx	10004	14 Dec 2009
Firmware # : NURIT Operating System with: TCPIP 4.20.00, LIPSSL 3.25.02 and 3.25.03, LIPSNMP 01.02.01		
Applic. # : LIBHTTP 03.21.00		
Omni 3740, Omni 3750		
Hardware # : M197-4xx-1x-xxx, M197-5xx-1x-xxx	10009	29 Mar 2010
Firmware # : Verix Operating System		
Applic. # : TCPIP 2.0.0 and UCL 1.5.5 (software libraries)		

Approved Platforms

Way Systems

Platform Identifier	Approval Number	Renewal Date
Vx510, Vx570, Vx610, Vx670, and Vx810		
Hardware # : M251-xxx-xx-xxx M257-xxx-xx-xxx M256-xxx-xx-xxx M281-xxx-xx-xxx	10002	3 Nov 2009
Firmware # : Verix V Operating System		
Applic. # : TCP/IP 3.x.x and UCL 2.x.x		

Way Systems

Platform Identifier	Approval Number	Renewal Date
MTT 1500		
Hardware # : 15xx-x	10014	29 Aug 2010
Firmware # : 4.18.38, 4.1f.40, 4.21.4e, 4.21.52		
Applic. # : -		

XAC Automation Company

Platform Identifier	Approval Number	Renewal Date
SAIO Platform Series: FD-50, FD-100, FD-200, FD-300, FD-400 (T201)		
Hardware # : FD-50: SAIO-3601-BB11x FD-100: SAIO-1600-BB21x FD-200: SAIO-4601-BB21x FD-300: SAIO-2602-BB20x FD-400: S-05xxxWU14x-x1x	10003	8 Aug 2010
Firmware # : FD-50: 00F12200 FD-100: 00132109 FD-200: 00232200 FD-300: 003x2109 FD-400: 00432205		
Applic. # : -		